

REMARKS

This responds to the Office Action mailed on July 9, 2007.

Claims 1, 6, 12, 15, 16, 22, 25, and 29 are amended, no claims are canceled, and no claims are added; as a result, claims 1-31 are now pending in this application. The amendments to the claims are fully supported by the specification as originally filed. No new matter is introduced. Applicant respectfully requests reconsideration of the above-identified application in view of the amendments above and the remarks that follow.

Support for the amendments to claims 1, 22, and 29 may be found in the specification, for example, at page 4, line 20 – page 5, line 1. Support for the amendments to claims 6 and 16 may be found in the specification, for example, at page 7, line 23 – page 8, line 1.

§102 Rejection of the Claims

Claims 1-2, 4-7, 9, 11, 13-14, 22-24, 27-29, and 31 were rejected under 35 USC § 102(b) as being anticipated by Luz et al. (U.S. 6,321,073 B1). Applicant traverses these grounds of rejection of these claims.

Applicant cannot find in Luz et al. (hereafter Luz) a disclosure, a teaching, or a suggestion of a comparison unit to compare differential intermediate versions of a received signal passing through the multiple stages, as recited in claim 1. In the Office Action, it is stated that “Luz teaches an apparatus (Fig. 3b) . . . comparison unit . . . 376.” Luz at column 5, lines 6-10 recites “[t]he comparator 376 is coupled to compare the automatic gain control value 374 which serves as a gain estimate, based on nonlinear data stored as inverse transfer function data. The gain estimate is compared to the set point data to determine the amount of adjustment 384 for a gain stage,” which does not teach or suggest a comparison unit to compare differential intermediate versions of a received signal passing through the multiple stages, as recited in claim 1. Therefore, Applicant submits that Luz does not teach each and every claim element of claim 1, that Luz does not teach the identical invention in as complete detail as is contained in claim 1, and/or that Luz does not teach each and every claim element arranged as in claim 1. Thus, Applicant submits that Luz does not anticipate claim 1 and that claim 1 is patentable over Luz.

For at least reasons similar to those stated above for claim 1, Applicant submits that independent claims 22 and 29 are patentable over Luz. Claims 2, 4, and 5, claims 23, 24, 27, and

28, and claim 31 depend from independent claims 1, 22, and 29, respectively. Therefore, Applicant submits that claims 2, 4, 5, 23, 24, 27, 28, and 31 are patentable over Luz for at least the reasons stated herein.

Applicant cannot find in Luz a disclosure, a teaching, or a suggestion of an apparatus having multiple calibration circuits to calibrate multiple stages in a receiver channel arranged with a controller as recited in claim 6. In the Office Action, Luz gain stages 104a, and 104b are identified as multiple stages and as multiple calibration circuits. Application cannot find in Luz a teaching or a suggestion that gain stages 104a, and 104b include calibration circuits.

Therefore, Luz appears to be void of a teaching or suggestion of multiple calibration circuits. Therefore, Applicant submits that Luz does not teach each and every claim element of claim 6, that Luz does not teach the identical invention in as complete detail as is contained in claim 6, and/or that Luz does not teach each and every claim element arranged as in claim 6. Thus, Applicant submits that Luz does not anticipate claim 6 and that claim 6 is patentable over Luz.

Claims 7, 9, 11, 13, and 14 depend from independent claim 6. Therefore, Applicant submits that claims 7, 9, 11, 13, and 14 are patentable over Luz for at least the reasons stated with respect to claim 6.

Applicant respectfully requests withdrawal of these rejections of claims 1-2, 4-7, 9, 11, 13-14, 22-24, 27-29, and 31, and reconsideration and allowance of these claims.

First §103 Rejection of the Claims

Claims 3, 10, and 31 were rejected under 35 USC § 103(a) as being unpatentable over Luz et al. (U.S. 6,321,073 B1) in view of Walker et al. (U.S. 2005/0208919 A1). Applicant traverses these grounds of rejection of these claims.

Applicant submits that combining Walker et al. (hereafter Walker) with Luz, as proffered in the Office Action, does not cure the deficiencies of citing Luz with respect to claims 1, 6, and 29. Therefore, Applicant submits that claims 1, 6, and 29 are patentable over Luz in view of Walker. Claims 3, 10, and 31 depend from claims 1, 6, and 29, respectively. Thus, Applicant submits that claims 3, 10, and 31 are patentable over Luz in view of Walker for at least the reasons stated herein.

Applicant respectfully requests withdrawal of these rejections of claims 3, 10, and 31,

and reconsideration and allowance of these claims.

Second §103 Rejection of the Claims

Claims 16-18 and 20-21 were rejected under 35 USC § 103(a) as being unpatentable over Luz et al. (U.S. 6,321,073 B1) in view of Anderson et al. (U.S. 6,876,859 B2). Applicant traverses these grounds of rejection of these claims.

Applicant notes that, according to *M.P.E.P.* § 2141, an evaluation of a claim requires consideration of a claim as a whole. Applicant cannot find in the combination of Luz and Anderson et al. (hereafter Anderson), as proffered in the Office Action, a teaching or a suggestion of a system having multiple calibration circuits to provide calibration to the multiple stages of a receiver channel, where the multiple calibration circuits are controlled by a controller as recited in claim 16. In the Office Action, Luz gain stages 104a, and 104b are identified as multiple stages and as multiple calibration circuits. Application cannot find in Luz a teaching or a suggestion that gain stages 104a, and 104b include calibration circuits. Therefore, Luz appears to be void of a teaching or suggestion of multiple calibration circuits. Anderson is cited with respect to a band-pass and an omni-directional antenna. Combining Anderson with Luz does not cure the deficiencies of citing Luz with respect to multiple calibration circuits. Therefore, Applicant submits that the combination Luz and Anderson does not establish a proper *prima facie* case of obviousness with respect to claim 16. Thus, claim 16 is patentable over Luz in view of Anderson.

Claims 17, 18, 20, and 21 depend from claim 16. Thus, Applicant submits that claims 17, 18, 20, and 21 are patentable over Luz in view of Anderson for at least the reasons stated with respect to claim 16.

Applicant respectfully requests withdrawal of these rejections of claims 16-18 and 20-21, and reconsideration and allowance of these claims.

Third §103 Rejection of the Claims

Claim 19 was rejected under 35 USC § 103(a) as being unpatentable over Luz et al. (U.S. 6,321,073 B1) in view of Anderson et al. (U.S. 6,876,859 B2), as applied to claim 16 above, and further in view of Walker et al. (U.S. Publication No. 2005/0208919 A1). Applicant traverses

these grounds of rejection of this claim.

Combining Walker with Luz in view of Anderson does not cure the deficiencies of citing Luz in view of Anderson with respect to claim 16. Therefore, claim 16 is patentable over Luz in view of Anderson and further in view of Walker. Claim 19 depends from claim 16. Thus, claim 19 is patentable over Luz in view of Anderson and further in view of Walker for at least the reasons stated herein.

Applicant respectfully requests withdrawal of these rejections of claim 19, and reconsideration and allowance of this claim.

Fourth §103 Rejection of the Claims

Claim 8 was rejected under 35 USC § 103(a) as being unpatentable over Luz et al. (U.S. 6,321,073 B1) in view of Oono et al. (U.S. Publication No. 2002/0094792 A1). Applicant traverses these grounds of rejection of this claim.

Applicant submits that combining Oono et al. (hereafter Oono) with Luz, as proffered in the Office Action, does not cure the deficiencies of citing Luz with respect to claim 6. Therefore, Applicant submits that claim 6 is patentable over Luz in view of Oono. Claim 8 depends from claim 6. Thus, Applicant submits that claim 8 is patentable over Luz in view of Oono for at least the reasons stated herein.

Applicant respectfully requests withdrawal of these rejections of claim 8, and reconsideration and allowance of these claims.

Allowable Subject Matter

Claims 12, 15, and 25-26 were objected to as being dependent upon a rejected base claim, but were indicated to be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

Claims 12, 15, and 25 are amended into independent form including all of the limitations of the base claim and any intervening claims. Claim 26 maintains its dependence on claim 26.

Applicant respectfully requests withdrawal of these objections of claims 12, 15, and 25-26, and reconsideration and allowance of these claims.

Comments on Statement of Reasons for Allowance

In the Office Action, statements were made regarding claims 12, 15, 25, and 26 with respect to prior art. Applicant respectfully submits that the relevant claims may be allowable for one or more reasons in addition to and/or in alternative to those reasons identified in the Office Action. Applicant reserves the right to further address one or more aspects of these statements in the Office Action as may later be necessary or desirable.

CONCLUSION

Applicant respectfully submits that the claims are in condition for allowance and notification to that effect is earnestly requested. The Examiner is invited to telephone Applicant's attorney ((612) 371-2157) to facilitate prosecution of this application.

If necessary, please charge any additional fees or credit overpayment to Deposit Account No. 19-0743.

Respectfully submitted,

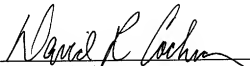
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9 October 2007

By



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CERTIFICATE UNDER 37 CFR 1.8: The undersigned hereby certifies that this correspondence is being filed using the USPTO's electronic filing system EFS-Web, and is addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on this 9th day of October 2007.

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Signature

